

**IN THE SPECIFICATION**

Please insert the following paragraphs after paragraph 24. Please renumber paragraphs 25-26 to 29-30, respectively.

[0025] Figure 2 shows a flow diagram of a process 200 according to an embodiment for multi-direction scanning. Process 200 may begin with set the first dpi at 210. When the second scanning mode is selected, the user may set the first dpi 210 of the first scanning procedure by using the user interface and command the scan head to start the first scanning procedure.

[0026] The scan head will be driven to obtain a first image as a preview image at 212. The scan head will move along the first scanning direction from the first scanning end point to the second scanning end point to proceed the first scanning procedure and the first image will be got after the first scanning procedure. The first scanning procedure is a preview procedure. After finishing the first scanning procedure, a user can view the first image, which is got from the first scanning procedure, on a monitor and the scan head moves along the second scanning direction by using the second dpi to start the second scanning procedure.

[0027] A second dpi is set at 214. Then the user can set the second dpi in the driver of the scanner and the scan head is driven to proceed the second scanning procedure. Setting a second dpi and a scope in said user interface and said scan head moving along a second scanning direction.

[0028] At 216 a third image is obtained from a transform by adjusting the graph image coordinate. The third image, which may be obtained according to the third dpi and the scope of the first image that the user wants to obtain, may be shown on the monitor. When the third dpi is equal to the second dpi, the third image may be referred to as the partial or the complete second image. When the third dpi is lower than the second dpi, the third image may be produced from the second image, which may be passed through an adjusting procedure of the graph image coordinate and the dpi scale. The process then continues at 220.